

**Notice of Allowability**

Application No.

10/009,365

Applicant(s)

KREUZ ET AL.

Examiner

Christine M. Behncke

Art Unit

3661

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the Remarks filed 19 October 2005.
2. ☒ The allowed claim(s) is/are 7-24.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☒ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date 10/19/05 & 8/03/05
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
THOMAS G. BLACK  
SUPERVISORY PATENT EXAMINER  
GROUP 3608

### DETAILED ACTION

1. This office action is in response to the Remarks filed 19 October 2005, in which claims 7-24 were presented for examination.

#### *Priority*

2. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

#### *Allowable Subject Matter*

3. **Claims 7-24** are allowed.
4. The following is an examiner's statement of reasons for allowance:

Regarding Claims 7 and 9, the prior art of record does not teach or fairly suggest the claimed system for the automated configuration of vehicle electrical systems comprising, among other things: a central actual configuration data memory arranged in a vehicle wherein the actual configuration data in the actual configuration data memory are stored in an XML file format and data on their structure are filed in a corresponding document type definition file (DTD).

Regarding Claim 8, the prior art of record does not teach or fairly suggest the claimed system for the automated configuration of vehicle electrical systems comprising, among other things: comprising browser tools for reproduction of the actual configuration data in at least one of a tree structure depiction, a functional depiction, and a topology depiction.

Regarding Claim 12, the prior art of record does not teach or fairly suggest the claimed system for the automated configuration of vehicle electrical systems

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comprising, among other things: a topology configuration system component for entry of data on types of usable hardware components and on their data network connection; a hardware component configuration system component for selecting and/or newly developing hardware components of the respective type; a vehicle configuration system component for computer-assisted automatic configuration of a respective vehicle electrical system in dependence on definable objectives and using the topology configuration system component and the hardware configuration system component; and graphic user/system interface tools for menu-directed user control during the activity of the topology configuration system component, the hardware component configuration system component, and the vehicle configuration system component.

The prior art teaches a vehicle electrical system configuration system which comprises hardware components at least partially connected to a data bus network and software components implemented in at least a portion of the hardware components for executing corresponding functionalities, comprising a central configuration data memory arranged in a vehicle for accessible storage of an actual configuration data that characterizes an actual configuration of the vehicle electrical system, wherein the configuration memory is in direct or indirect communication with all hardware components. However, none of the prior art of record either singularly or in combination teaches the claimed systems.

5. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on

Statement of Reasons for Allowance."

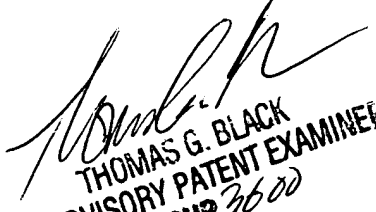
***Conclusion***

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christine M. Behncke whose telephone number is (571) 272-8103. The examiner can normally be reached on Monday - Friday 8:30 AM - 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas G. Black can be reached on (571) 272-6956. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

01-06-2005

  
THOMAS G. BLACK  
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GROUP 3600